12th WORKSHOP: NON-COMMUTATIVE HARMONIC ANALYSIS,
16 - 22.08.2009, Będlewo, Poland

Sunday,   **August 16**

19:00   **Dinner**

Monday,   **August 17**

08:00–09:00   **Breakfast**

09:00–09:40   **Takeshi Hirai (Kyoto)**
Projective representations and spin characters of finite and infinite complex reflection groups.

09:45–10:25   **Alexandru Nica (Waterloo)**
Infinitesimal non-crossing cumulants and free probability of type B.

10:25–10:50   **Coffee break**

10:50–11:30   **Noriyosi Sakuma (Yokohama)**
⊞-Infinite Divisibility of Free Multiplicative Convolutions with Wigner and Symmmetric Arcsin Measures.

11:35–12:15   **Marcin Marciniak (Gdańsk)**
On the structure of positive maps.

12:20–12:40   **Łukasz Wojakowski (Wrocław)**
Conditionally free semi-stable distributions.

12:45–13:25   **Jiun-Chau Wang (Kingston)**
New features of free central limit theorem.

13:30–14:30   **Lunch**

16:00–16:45   **Coffee and cakes**

19:00–20:00   **Dinner**

20:00–21:00   **Baby Talk – Yasuyuki Kawahigashi**
Subfactors and representation theory for von Neumann algebras.

Tuesday, **August 18**

08:00–09:00 **Breakfast**

09:00–09:40 **Gilles Pisier (Paris 6)**
Remarks on Non-commutative Khintchine inequalities.

09:45–10:25 **Michael Anshelevich (Texas A&M)**
Characterizations of free Meixner distributions.

10:25–10:50 **Coffee break**

10:50–11:30 **Eugene Lytvynov (Swansea)**
Meixner class of non-commutative generalized stochastic processes with freely independent values.

11:35–12:15 **Marie Choda (Osaka Kyoiku)**
Fourier expansions and inner conjugacy class of subfactors.

12:20–12:40 **Adam Paszkiewicz (Łódź)**
On notion of sufficiency in quantum statistics.

12:40–13:00 **Helene Airault (Insset-LAMFA)**
Invariant measures, unitarizing measures, the example of the Poincar disk.

13:00–14:00 **Lunch**

15:00–15:25 **Maciej Burnecki (Wrocław)**
Noncommutative analogs of symmetric polynomials.

15:30–15:55 **Franciszek Hugon Szafraniec (Kraków)**
The quantum harmonic oscillator in ℓ^2.

16:00–16:30 **Coffee break**

16:30–16:55 **Dorota Kępa (Lublin)**
Statistics of animals on unbounded irregular graphs.

17:00–17:25 **Nobuhiro Asai (Aichi)**
Probability Measures on $\mathbb{C}$ Associated with the Jacobi-Szeg Parameters of Orthogonal Polynomials.

17:30–17:55 **Uwe Franz (Besan on)**
Characterisations of Idempotent States on Quantum Groups.

18:00–18:25 **P. K. Das (Kolkata)**
Interaction of a three–level atom with a single–mode field in a two photon resonant cavity.

19:30 **Banquet**

Wednesday,   **August 19**

08:00–09:00   **Breakfast**

09:00–09:40   **Luigi Accardi (Roma)**
Renormalization and central extensions of Lie algebras.

09:45–10:25   **Teodor Banica (Toulouse)**
The row algebra of a free quantum group.

10:25–10:30   **Picture**

10:30–10:50   **Coffee break**

10:50–11:30   **Bogusław Zegarliński (CNRS)**
Ergodicity of Markov semigroups in infinite dimensions.

11:35–12:15   **Stanisław Woronowicz (Warszawa)**
Quantum $SL(2, \mathbb{R})$-group.

12:20–12:40   **Melanie Hinz (Wrocław)**
Multiplicative square of the free Poisson measure.

12:40–13:00   **Wojtek Młotkowski (Wrocław)**
Generalized Poisson measures.

13:00–13:45   **Lunch**

14:00   **Excursion to Uzarzewo and Szreniawa**

19:00–20:00   **Dinner**

20:00–21:00   **Baby Talk – Nobuaki Obata**
Quantum White Noise Calculus – Quantum White Noise Derivatives and Applications.

Thursday,   **August 20**

08:00–09:00   **Breakfast**

09:00–09:40   **Yasuyuki Kawahigashi (Tokyo)**
                     Superconformal field theory, Moonshine and operator algebras.

09:45–10:25   **Claudia Pinzari (Roma)**
                     A theory of induction for tensor C^*-categories.

10:25–10:50   **Coffee break**

10:50–11:30   **Franz Lehner (Graz)**
                     Free infinite divisibility of the normal distribution.

11:35–12:15   **Louis Labuschagne (UNISA)**
                     Maps on noncommutative Orlicz spaces - joint work with W. A. Majewski.

12:20–12:40   **Hiroaki Yoshida (Tokyo)**
                     Linked partitions and deformed Meixner laws.

12:45–13:25   **Steve Curran (Berkeley)**
                     De Finetti theorems for easy quantum groups (joint work with T. Banica and R. Speicher).

13:30–14:30   **Lunch**

16:00–16:30   **Coffee and cakes**

16:30–16:55   **Jolanta Misiewicz (Zielona Góra)**
                     Generalized convolutions.

17:00–17:25   **Hyun Jae Yoo (Hankyong)**
                     Determinantal Point Processes: Their Gibbsianness and Dynamics.

19:00   **Barbecue**

Friday, **August 21**

08:00–09:00   **Breakfast**

09:00–09:40   **Fumio Hiai (Tohoku)**
Riemannian metrics on positive definite matrices related to means (joint work with D. Petz).

09:45–10:25   **Hun Hee Lee (Chungbuk)**
q-Chaos

10:25–10:50   **Coffee break**

10:50–11:30   **Karol Życzkowski (Kraków)**
On complex Hadamard matrices and their applications.

11:35–12:15   **Alexander Tikhomirov (Bielefeld & Syktyvkar)**
Circular law for random matrices.

12:20–12:40   **Aurel Stan (Ohio)**
Two dimensional non-commutative random vectors in terms of APC operators.

12:45–13:05   **Reiji Tomatsu (Tokyo)**
Classification of actions of a discrete amenable Kac algebra on amenable von Neumann factors.

13:05–13:25   **Takahiro Hasebe (Kyoto)**
Time-independent properties of monotone convolution semigroups.

13:30–14:30   **Lunch**

16:00–16:45   **Coffee and cakes**

19:00–20:00   **Dinner**

Saturday, **August 22**

08:00–09:00 **Breakfast**

09:00–09:40 **Robin Hudson (Loughborough)**
Unitary causal and double products in non-Fock quantum stochastic calculus.

09:45–10:25 **Viacheslav Belavkin (Nottingham)**
Fock modules of Krein L–modules, affine $*$–algebras and harmonic analysis of quantum Levy–Brownian motion.

10:25–10:50 **Coffee break**

10:50–11:30 **Un Cig Ji (Chungbuk)**
Transformations on Boson Fock Space.

11:35–11:55 **Michał Adamczyk (Łódź)**
On analysis of quantum states by generalized quantum measurement.

12:00–13:00 **Lunch**